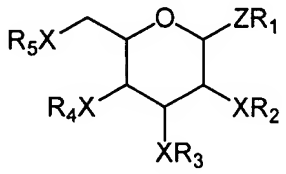
AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of inhibiting or effecting the activity of a G-Protein Coupled Receptor (GPCR) ~~GPCR~~ which comprises contacting a GPCR with a compound of general formula 1, or a pharmaceutically acceptable salt thereof



General Formula I

~~Wherein~~ wherein the ring may be of any configuration;

Z is selected from the group consisting of: sulphur, oxygen, and ~~or~~ NR^A wherein R^A is selected from the set defined for R_1 to R_5 or C1 to C15 acyl, C4 to C15 arylacyl or C4 to C15 heteroarylacyl, with the proviso that both R_1 and R^A are not hydrogen,

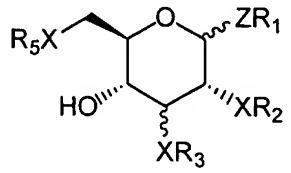
X is selected from the group consisting of: oxygen and ~~or~~ NR^A providing that: i) X of XR_2 is NR^A, ii) X of XR_3 is oxygen and R_3 is not hydrogen, iii) X of R_4 is oxygen or NR^A, and X of XR_5 is oxygen, wherein at least one of OR_4 and OR_5 is OH ~~at least one X of General Formula I is NR^A~~,

R_1 to R_5 are independently selected from the group consisting of: H, C1 to C12 alkyl, C1 to C12 alkenyl, C1 to C12 alkynyl, C1 to C12 heteroalkyl, C4 to C15 aryl, C4 to C15 heteroaryl, C4 to C15 arylalkyl and ~~or~~ C4 to C15 heteroarylalkyl substituent ,

wherein, when X is NR^A, both R^A and the corresponding ~~R_1 to R_5 are~~ R_2 or R_4 is not hydrogen.

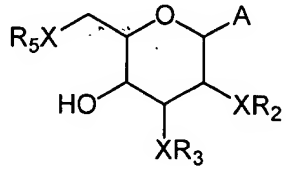
2. (Currently Amended) The method of claim 1, wherein any one of R^A or R_1 to R_5 is substituted with a moiety selected from the group consisting of: OH, NO, NO_2, NH_2, N_3, halogen, CF_3, CHF_2, CH_2F, nitrile, alkoxy, aryloxy, amidine, guanidiniums, carboxylic acid, carboxylic acid ester, carboxylic acid amide, aryl, cycloalkyl, heteroalkyl, heteroaryl, aminoalkyl, aminodialkyl, aminotrialkyl, aminoacyl, carbonyl, substituted or unsubstituted imine, sulfate, sulfonamide, phosphate, phosphoramide, hydrazide, hydroxamate, hydroxamic acid, heteroaryloxy, aminoaryl, aminoheteroaryl, thioalkyl, thioaryl and ~~or~~ thioheteroaryl.

3. (Currently Amended) The method of claim 1, wherein the compound is



General Formula II.

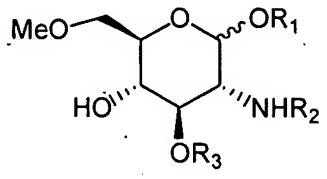
4. (Currently Amended) The method of claim 1, wherein the compound is



General Formula III

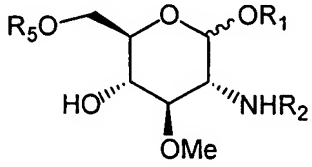
~~Wherein~~ wherein A is selected from the group consisting of: $N(R^A)R_1$, SR_1, or OR_1 .

5. (Currently Amended) The method of claim 1, wherein the compound is



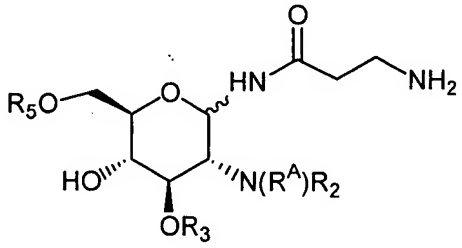
General Formula IV.

6. (Currently Amended) The method of claim 1, wherein the compound is



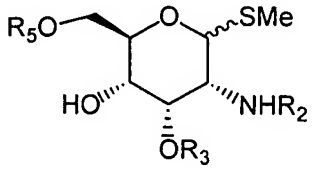
General Formula V.

7. (Currently Amended) The method of claim 1, wherein the compound is



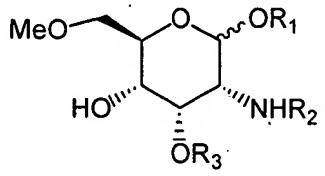
General Formula VI.

8. (Currently Amended) The method of claim 1, wherein the compound is



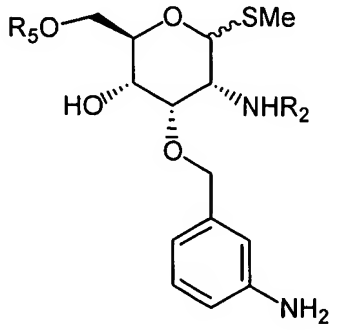
General Formula VII.

9. (Currently Amended) The method of claim 1, wherein the compound is



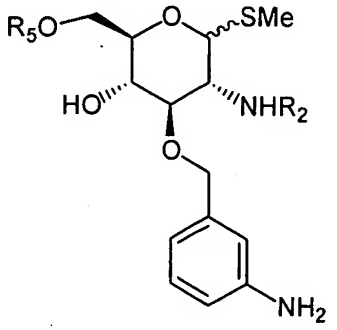
General Formula VIII.

10. (Currently Amended) The method of claim 1, wherein the compound is



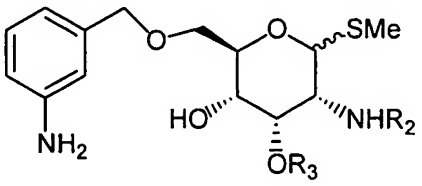
General Formula IX.

11. (Currently Amended) The method of claim 1, wherein the compound is



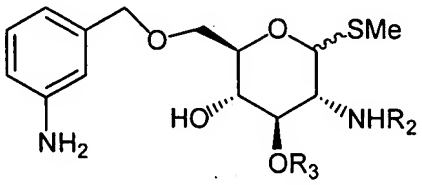
General Formula X.

12. (Currently Amended) The method of claim 1, wherein the compound is



General Formula XI.

13. (Currently Amended) The method of claim 1, wherein the compound is

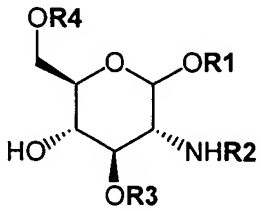


General Formula XII.

14 (Original) The method of claim 1, wherein the receptor is a somatostatin receptor.

15. (Original) The method of claim 1, wherein the receptor is a melanocortin receptor.

16. (Currently Amended) The method of claim 14, wherein the compound is

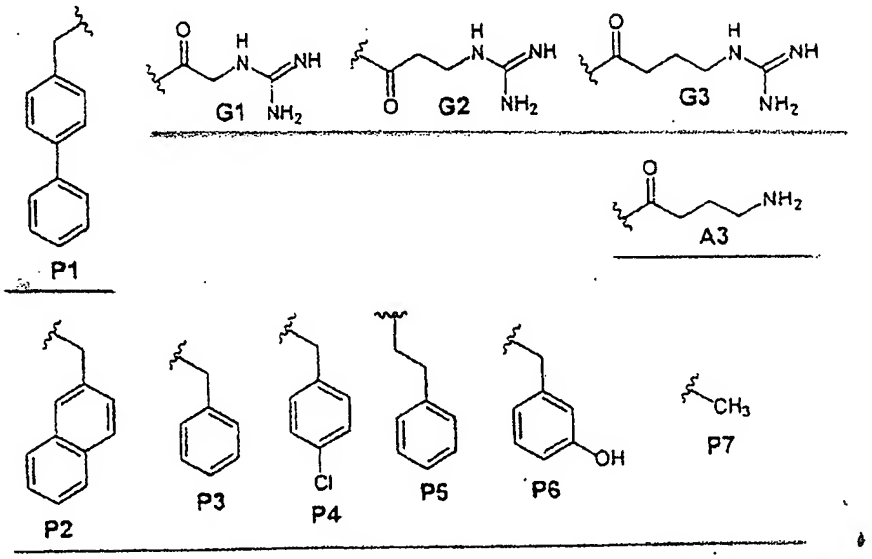


wherein R1, R2, R3 and R4 are selected from the group combinations of:

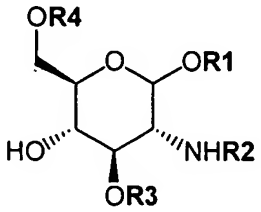
R1	R2	R3	R4
P1	G1	P1	P7
P1	G2	P2	P7
P1	A3	P3	P7
P2	A3	P3	P7
P3	G2	P1	P7
P3	A3	P1	P7
P3	G3	P1	P7
P3	A3	P3	P7
P3	G2	P4	P7
P3	A3	P4	P7
P3	G3	P4	P7
P4	G2	P1	P7
P4	G2	P2	P7
P4	G3	P2	P7
P4	A3	P3	P7
P4	G2	P4	P7
P4	G3	P4	P7
P6	G2	P1	P7
P1	A3	P6	P7
P2	A3	P6	P7
P2	G3	P6	P7
P3	A3	P6	P7
P4	A3	P6	P7
P5	A3	P6	P7
P1	A3	P1	P7
P1	G3	P1	P7
P1	G3	P2	P7
P1	G2	P3	P7
P1	G2	P4	P7
P1	A3	P4	P7
P1	G3	P4	P7
P2	G1	P1	P7
P2	G2	P1	P7
P2	A3	P1	P7
P2	G2	P2	P7
P2	A3	P2	P7
P2	G3	P2	P7

P2	G3	P3	P7
P2	A3	P4	P7
P2	G3	P4	P7
P4	A3	P1	P7
P4	G3	P1	P7
P4	A3	P2	P7
P4	G3	P3	P7
P5	A3	P1	P7
P5	G3	P1	P7
P5	A3	P2	P7
P5	A3	P4	P7
P5	G3	P4	P7
P1	A3	P1	P7
P3	A3	P2	P7
P4	A3	P4	P7

and wherein the groups A, P and G are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



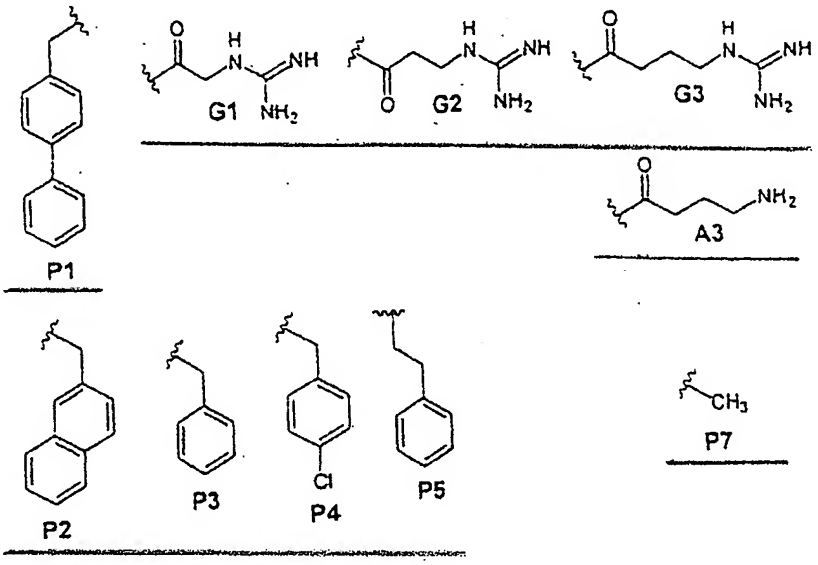
17. (Currently Amended) The method of claim 15, wherein the compound is



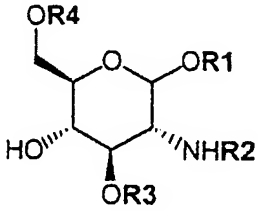
wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4	MC4 inhibition at 10 micromolar
P1	G1	P1	P7	+
P3	G1	P1	P7	+
P3	G2	P1	P7	+
P4	G2	P1	P7	+
P4	G2	P2	P7	+
P4	G3	P2	P7	+
P5	G1	P1	P7	+
P5	G2	P1	P7	+
P1	A3	P1	P7	+
P1	G3	P1	P7	+
P1	G3	P2	P7	+
P1	G2	P4	P7	+
P1	A3	P4	P7	+
P1	G3	P4	P7	+
P2	G1	P1	P7	+
P2	G2	P1	P7	+
P2	A3	P1	P7	+
P2	G2	P2	P7	+
P2	A3	P2	P7	+
P2	G3	P2	P7	+
P2	G3	P4	P7	+
P4	G3	P1	P7	+
P4	A3	P2	P7	+
P5	G3	P1	P7	+
P1	A3	P1	P7	+

and wherein the groups P, G and A are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



18. (Currently Amended) The method of claim 15, wherein the compound is



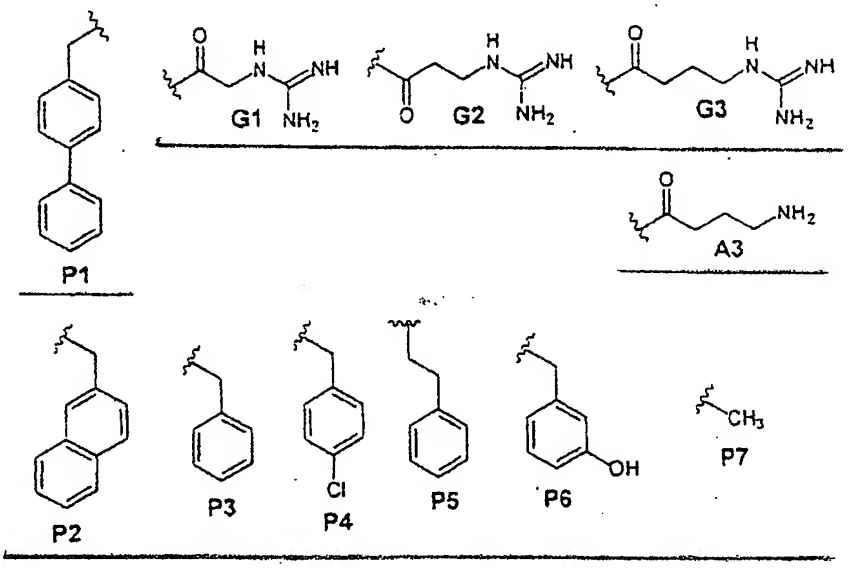
wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
P1	G1	P7	P1
P1	G2	P7	P1
P1	G3	P7	P1
P1	G1	P7	P2
P1	A3	P7	P2
P1	G3	P7	P2
P1	G1	P7	P4
P1	G2	P7	P4
P1	A3	P7	P4
P1	G3	P7	P4

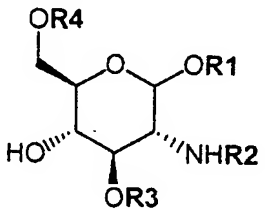
P2	G1	P7	P1
P2	G2	P7	P1
P2	A3	P7	P1
P2	G3	P7	P1
P2	G1	P7	P2
P2	G2	P7	P2
P2	A3	P7	P2
P2	G3	P7	P2
P2	G1	P7	P4
P2	G2	P7	P4
P2	A3	P7	P4
P2	G3	P7	P4
P3	G3	P7	P1
P3	G1	P7	P2
P3	G3	P7	P4
P4	G1	P7	P1
P4	G2	P7	P1
P4	G3	P7	P1
P4	G1	P7	P2
P4	G2	P7	P2
P4	A3	P7	P2
P4	G3	P7	P2
P4	G1	P7	P4
P4	G2	P7	P4
P4	A3	P7	P4
P4	G3	P7	P4
P5	G1	P7	P1
P5	G2	P7	P1
P5	A3	P7	P1
P5	G3	P7	P1
P5	G1	P7	P2
P5	G2	P7	P2
P5	A3	P7	P2
P5	G3	P7	P2
P5	G1	P7	P4
P5	G2	P7	P4
P5	A3	P7	P4
P5	G3	P7	P4
P1	G1	P7	P6
P4	G2	P7	P6
P6	G1	P7	P1
P6	G2	P7	P1

P6	A3	P7	P1
P6	G3	P7	P2
P6	G2	P7	P2
P6	G3	P7	P2

and wherein the groups P, G and A are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



19. (Currently Amended) The method of claim 14, wherein the compound is

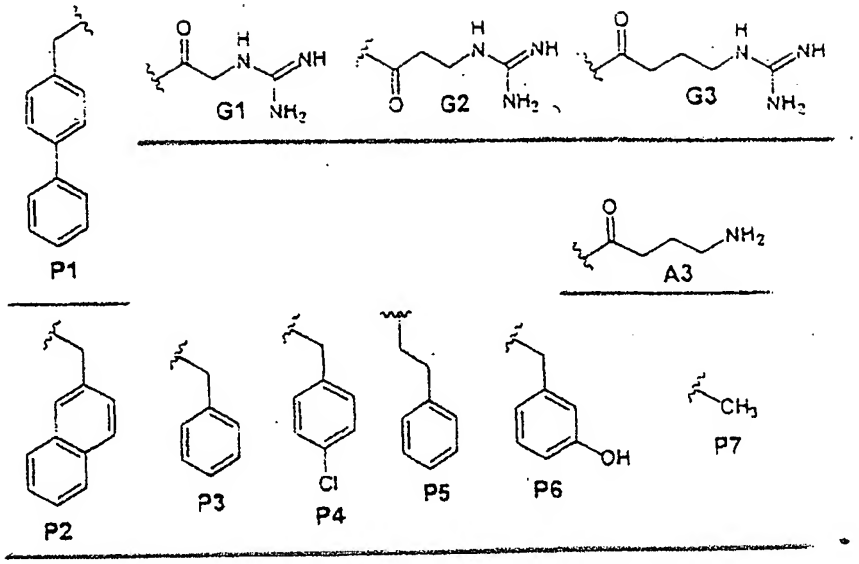


wherein R1, R2, R3 and R4 are selected from the group combinations of:

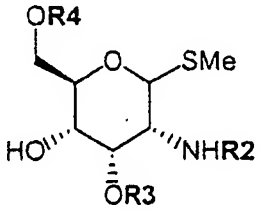
R1	R2	R3	R4
P1	G1	P7	P1
P1	G2	P7	P1

P1	**G2**	**P7**	**P2**
P1	**A3**	**P7**	**P2**
P2	**A3**	**P7**	**P1**
P2	**A3**	**P7**	**P2**
P2	**A3**	**P7**	**P4**
P3	**G1**	**P7**	**P2**
P3	**A3**	**P7**	**P4**
P4	**G2**	**P7**	**P1**
P4	**A3**	**P7**	**P1**
P4	**G3**	**P7**	**P1**
P4	**G1**	**P7**	**P2**
P4	**G2**	**P7**	**P2**
P4	**A3**	**P7**	**P2**
P4	**G3**	**P7**	**P2**
P4	**A3**	**P7**	**P3**
P4	**A3**	**P7**	**P4**
P5	**A3**	**P7**	**P1**
P5	**A3**	**P7**	**P2**
P5	**G3**	**P7**	**P2**
P5	**A3**	**P7**	**P4**
P2	**A3**	**P7**	**P6**
P4	**A3**	**P7**	**P6**
P6	**A3**	**P7**	**P4**

and wherein the groups P, G and A are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



20. (Currently Amended) The method of claim 15, wherein the compound is



wherein

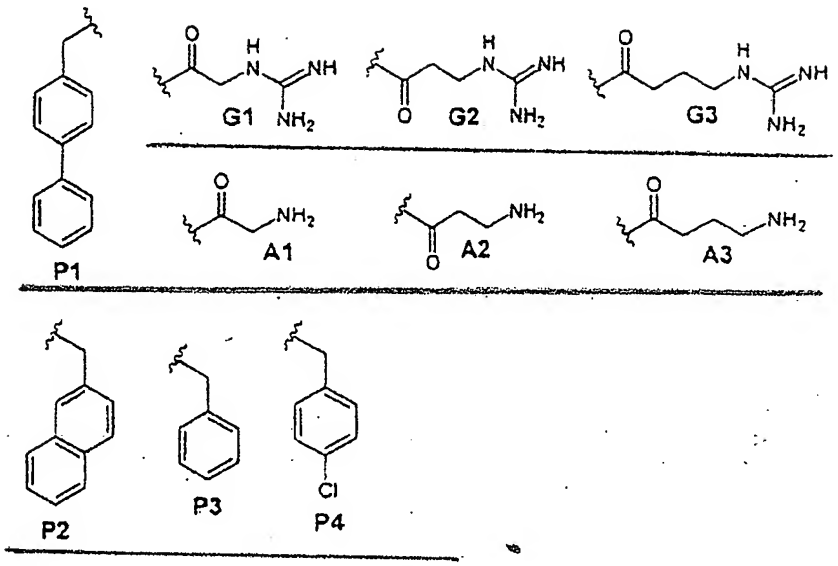
R4, R2 and R3 are selected from the group combinations of :

R2	R3	R4
G1	P3	P3
A2	P3	P3
G2	P3	P3
G3	P3	P3
G1	P3	P4
G2	P3	P4
A3	P3	P4

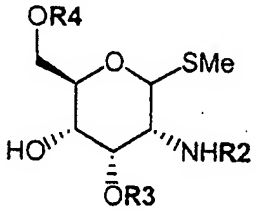
G3	P3	P4
G1	P3	P1
A2	P3	P1
G2	P3	P1
A3	P3	P1
G3	P3	P1
A1	P3	P2
G1	P3	P2
A2	P3	P2
G2	P3	P2
A3	P3	P2
G3	P3	P2
G1	P4	P3
A2	P4	P3
G2	P4	P3
G3	P4	P3
G1	P4	P4
A2	P4	P4
G2	P4	P4
G3	P4	P4
A1	P4	P1
G1	P4	P1
A2	P4	P1
G2	P4	P1
A3	P4	P1
G3	P4	P1
A1	P4	P2
G1	P4	P2
A2	P4	P2
G2	P4	P2
A3	P4	P2
G3	P4	P2
A1	P1	P3
G1	P1	P3
A2	P1	P3
G2	P1	P3
A3	P1	P3
G3	P1	P3
A1	P1	P4
G1	P1	P4
A2	P1	P4
G2	P1	P4

A3	**P1**	**P4**
G3	**P1**	**P4**
A1	**P1**	**P1**
G1	**P1**	**P1**
A2	**P1**	**P1**
G2	**P1**	**P1**
A3	**P1**	**P1**
A1	**P1**	**P2**
G1	**P1**	**P2**
A2	**P1**	**P2**
G2	**P1**	**P2**
A3	**P1**	**P2**
G3	**P1**	**P2**
A1	**P2**	**P3**
G1	**P2**	**P3**
G2	**P2**	**P3**
A3	**P2**	**P3**
G3	**P2**	**P3**
A1	**P2**	**P4**
G1	**P2**	**P4**
A2	**P2**	**P4**
G2	**P2**	**P4**
A3	**P2**	**P4**
G3	**P2**	**P4**
A1	**P2**	**P1**
G1	**P2**	**P1**
A2	**P2**	**P1**
G2	**P2**	**P1**
A3	**P2**	**P1**
G3	**P2**	**P1**
A1	**P2**	**P2**
G1	**P2**	**P2**
A2	**P2**	**P2**
G2	**P2**	**P2**

and wherein the groups P, G and A are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



21 (Currently Amended) The method of claim 14, wherein the compound is



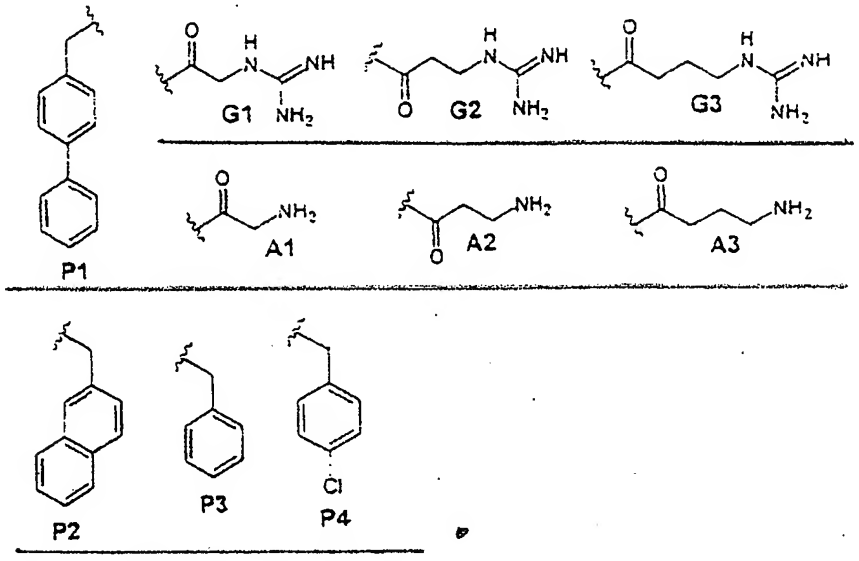
wherein R4, R2 and R3 are selected from the group combinations of:

R2	R3	R4
A1	P3	P3
G1	P3	P3
A2	P3	P3
G2	P3	P3
A3	P3	P3
G3	P3	P3
A1	P3	P4
G1	P3	P4
A2	P3	P4
G2	P3	P4

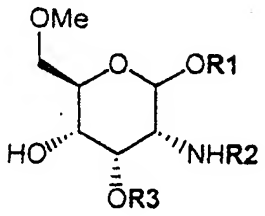
A3	P3	P4
G3	P3	P4
A1	P3	P1
G1	P3	P1
A2	P3	P1
G2	P3	P1
A3	P3	P1
G3	P3	P1
A1	P3	P2
G1	P3	P2
A2	P3	P2
G2	P3	P2
A3	P3	P2
G3	P3	P2
A1	P4	P3
G1	P4	P3
A2	P4	P3
G2	P4	P3
A3	P4	P3
G3	P4	P3
A1	P4	P4
G1	P4	P4
A2	P4	P4
G2	P4	P4
A3	P4	P4
G3	P4	P4
A1	P4	P1
G1	P4	P1
A2	P4	P1
G2	P4	P1
A3	P4	P1
G3	P4	P1
A1	P4	P2
G1	P4	P2
A2	P4	P2
G2	P4	P2
A3	P4	P2
G3	P4	P2
A1	P1	P3
G1	P1	P3
A2	P1	P3
G2	P1	P3

A3	**P1**	**P3**
G3	**P1**	**P3**
A1	**P1**	**P4**
G1	**P1**	**P4**
A2	**P1**	**P4**
G2	**P1**	**P4**
A3	**P1**	**P4**
G3	**P1**	**P4**
A1	**P1**	**P1**
G1	**P1**	**P1**
A2	**P1**	**P1**
G2	**P1**	**P1**
A3	**P1**	**P1**
G3	**P1**	**P1**
A1	**P1**	**P2**
G1	**P1**	**P2**
A2	**P1**	**P2**
G2	**P1**	**P2**
A3	**P1**	**P2**
G3	**P1**	**P2**
A1	**P2**	**P3**
G1	**P2**	**P3**
A2	**P2**	**P3**
G2	**P2**	**P3**
A3	**P2**	**P3**
G3	**P2**	**P3**
A1	**P2**	**P4**
G1	**P2**	**P4**
A2	**P2**	**P4**
G2	**P2**	**P4**
A3	**P2**	**P4**
G3	**P2**	**P4**
A1	**P2**	**P1**
G1	**P2**	**P1**
A2	**P2**	**P1**
G2	**P2**	**P1**
A3	**P2**	**P1**
G3	**P2**	**P1**
A1	**P2**	**P2**
G1	**P2**	**P2**
A2	**P2**	**P2**
G2	**P2**	**P2**

and wherein the groups P, G and A are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



22. (Currently Amended) The method of claim 15, wherein the compound is



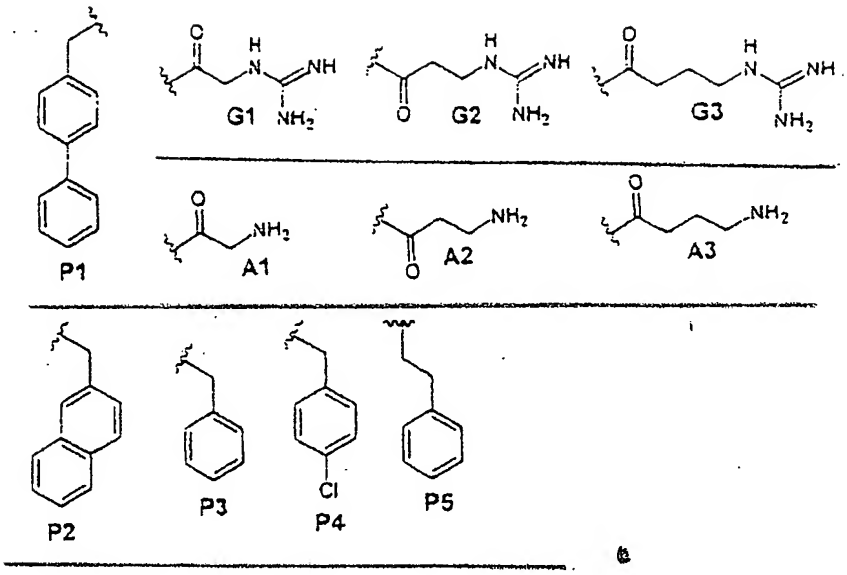
wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
P3	G1	P3

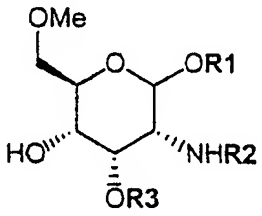
P3	G2	P3
P3	G3	P3
P3	A1	P4
P3	G1	P4
P3	A2	P4
P3	G2	P4
P3	A3	P4
P3	G3	P4
P3	A1	P1
P3	G1	P1
P3	A2	P1
P3	G2	P1
P3	A3	P1
P3	G3	P1
P3	G1	P2
P3	A2	P2
P3	G2	P2
P3	A3	P2
P3	G3	P2
P4	G1	P3
P4	G2	P3
P4	G3	P3
P4	A1	P4
P4	G1	P4
P4	A2	P4
P4	G2	P4
P4	A3	P4
P4	G3	P4
P4	A1	P1
P4	G1	P1
P4	A2	P1
P4	G2	P1
P4	A3	P1
P4	G3	P1
P4	A1	P2
P4	G1	P2
P4	A2	P2
P4	G2	P2
P4	A3	P2
P4	G3	P2
P5	G1	P3
P5	G2	P3

P5	G3	P3
P5	G1	P4
P5	A2	P4
P5	G2	P4
P5	A3	P4
P5	G3	P4
P5	A1	P1
P5	G1	P1
P5	A2	P1
P5	G2	P1
P5	A3	P1
P5	G3	P1
P5	A1	P2
P5	G1	P2
P5	A2	P2
P5	G2	P2
P5	A3	P2
P5	G3	P2
P2	G1	P3
P2	A2	P3
P2	G2	P3
P2	G1	P4
P2	G2	P4
P2	A3	P4
P2	G3	P4
P2	G1	P1
P2	A2	P1
P2	G2	P1
P2	A3	P1
P2	G3	P1
P2	A1	P2
P2	G1	P2
P2	G2	P2
P2	G3	P2

and wherein the groups P, G and A are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



23. (Currently Amended) The method of claim 14, wherein the compound is



wherein R1, R2 and R3 are selected from the group combinations of:

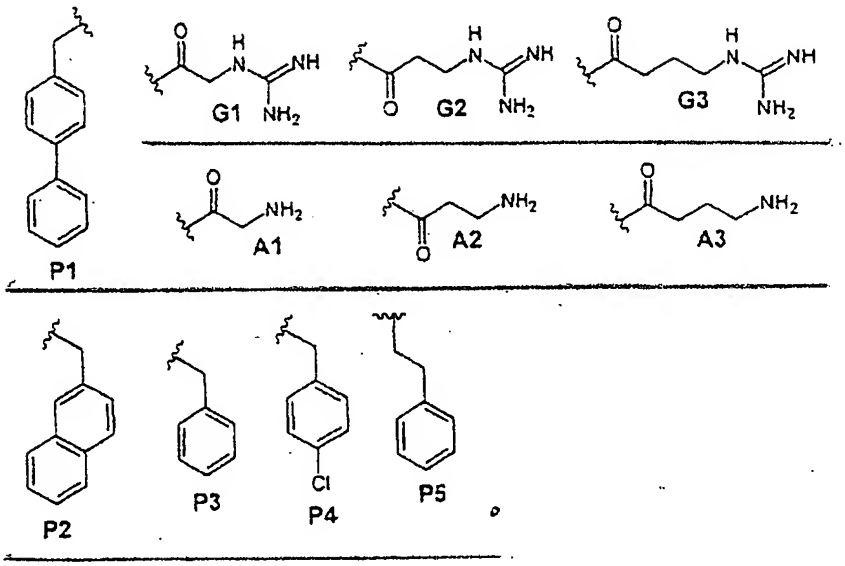
R1	R2	R3
P3	A1	P3
P3	G1	P3
P3	A2	P3
P3	G2	P3
P3	A3	P3

P3	G3	P3
P3	A1	P4
P3	G1	P4
P3	A2	P4
P3	G2	P4
P3	A3	P4
P3	G3	P4
P3	A1	P1
P3	G1	P1
P3	A2	P1
P3	G2	P1
P3	A3	P1
P3	G3	P1
P3	A1	P2
P3	G1	P2
P3	A2	P2
P3	G2	P2
P3	A3	P2
P3	G3	P2
P4	G1	P3
P4	A2	P3
P4	G2	P3
P4	A3	P3
P4	G3	P3
P4	A1	P4
P4	G1	P4
P4	A2	P4
P4	G2	P4
P4	A3	P4
P4	G3	P4
P4	A1	P1
P4	G1	P1
P4	A2	P1
P4	G2	P1
P4	A3	P1
P4	G3	P1
P4	A1	P2
P4	G1	P2
P4	A2	P2
P4	G2	P2
P4	A3	P2
P4	G3	P2

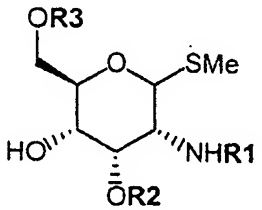
P5	A1	P3
P5	A2	P3
P5	G2	P3
P5	A3	P3
P5	G3	P3
P5	A1	P4
P5	G1	P4
P5	A2	P4
P5	G2	P4
P5	A3	P4
P5	G3	P4
P5	A1	P1
P5	G1	P1
P5	A2	P1
P5	G2	P1
P5	A3	P1
P5	G3	P1
P5	A1	P2
P5	G1	P2
P5	A2	P2
P5	G2	P2
P5	A3	P2
P5	G3	P2
P2	A1	P3
P2	G1	P3
P2	A2	P3
P2	G2	P3
P2	A3	P3
P2	G3	P3
P2	A1	P4
P2	G1	P4
P2	A2	P4
P2	G2	P4
P2	A3	P4
P2	G3	P4
P2	A1	P1
P2	G1	P1
P2	A2	P1
P2	G2	P1
P2	A3	P1
P2	G3	P1
P2	A1	P2

P2	G1	P2
P2	A2	P2
P2	G2	P2
P2	A3	P2
P2	G3	P2

and wherein the groups P, G and A are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



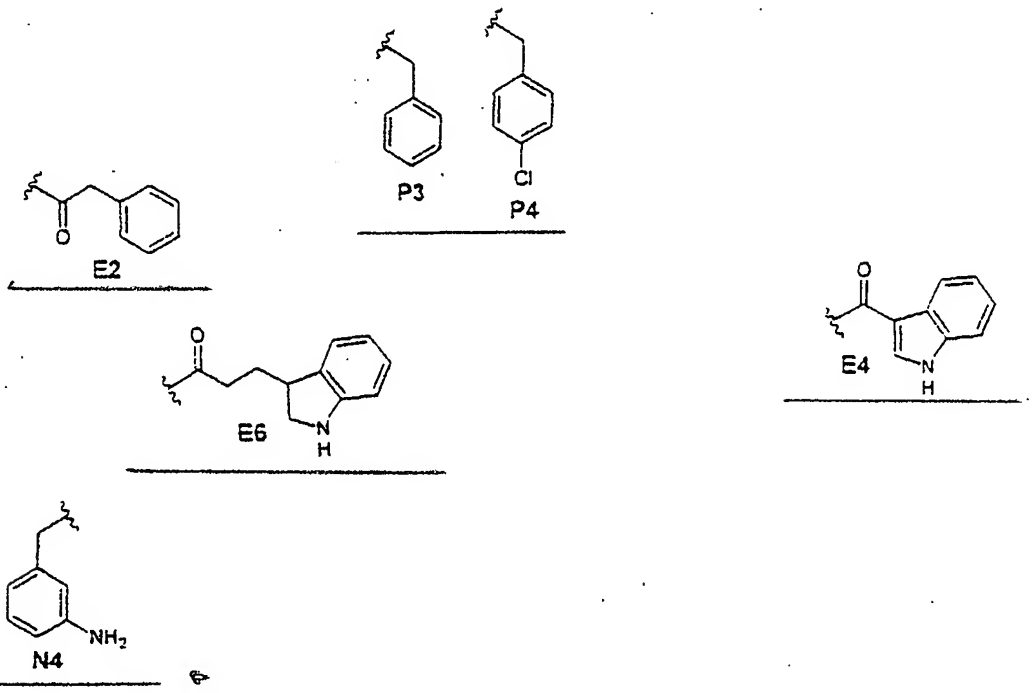
24. (Currently Amended) The method of claim 15, wherein the compound is



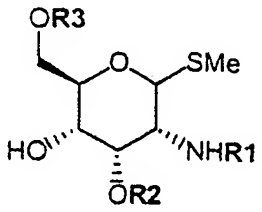
wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
P3	N4	E2
P3	N4	E4
P3	N4	E6
P4	N4	E2
P4	N4	E4

and wherein the groups P, N and E are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



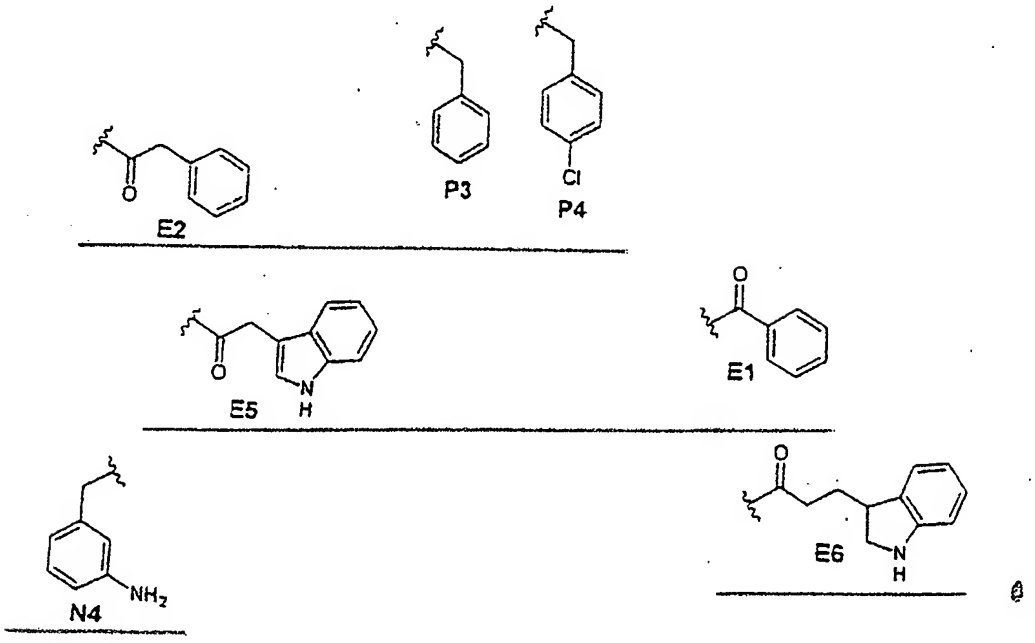
25. (Currently Amended) The method of claim 14, wherein the compound is



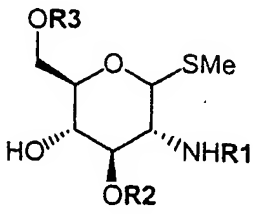
wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
P3	N4	E5
P3	N4	E6
P4	N4	E1
P4	N4	E2
P4	N4	E5

and wherein the groups P, N and E are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



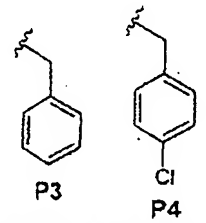
26. (Currently Amended) The method of claim 15, wherein the compound is

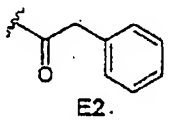


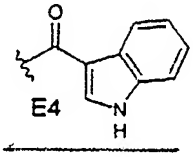
wherein R1, R2 and R3 are selected from the group combinations of:

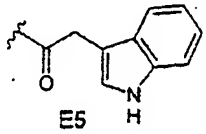
R1	R2	R3
E2	N4	P3
E4	N4	P3
E6	N4	P3
E4	N4	P4
E5	N4	P4
E6	N4	P4

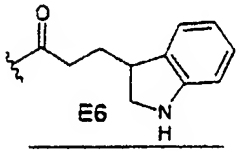
and wherein the groups P, N and E are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~

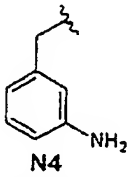




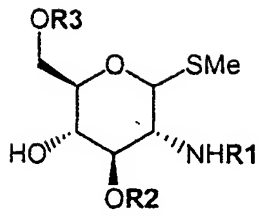








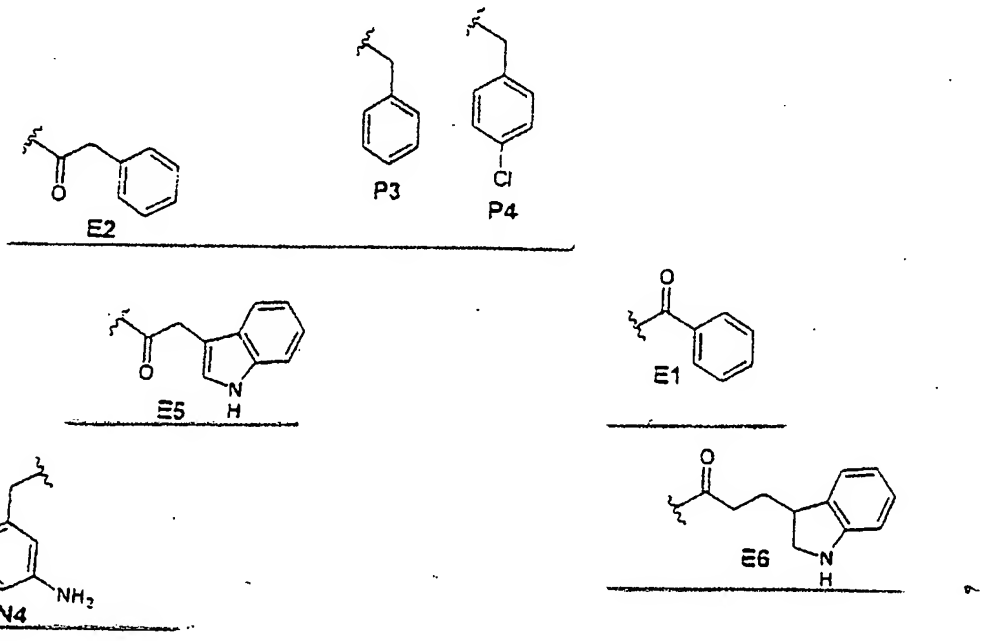
27. (Currently Amended) The method of claim 14, wherein the compound is



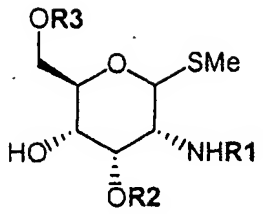
wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
E1	N4	P3
E5	N4	P3
E6	N4	P3
E1	N4	P4
E2	N4	P4
E5	N4	P4

and wherein the groups P, N and E are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



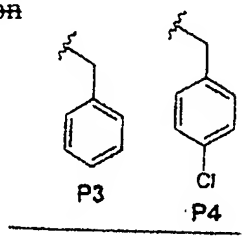
28. (Currently Amended) The method of claim 15, wherein the compound is

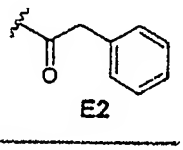


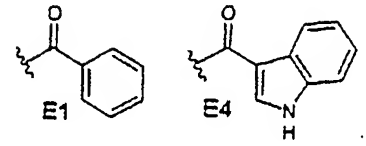
wherein R1, R2 and R3 are selected from the group combinations of:

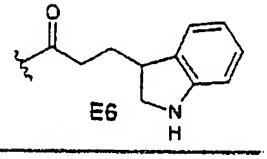
R1	R2	R3
E2	P3	N4
E4	P3	N4
E6	P3	N4
E1	P4	N4
E6	P4	N4

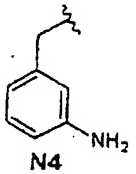
and wherein the groups E, P and N are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



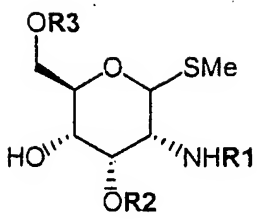








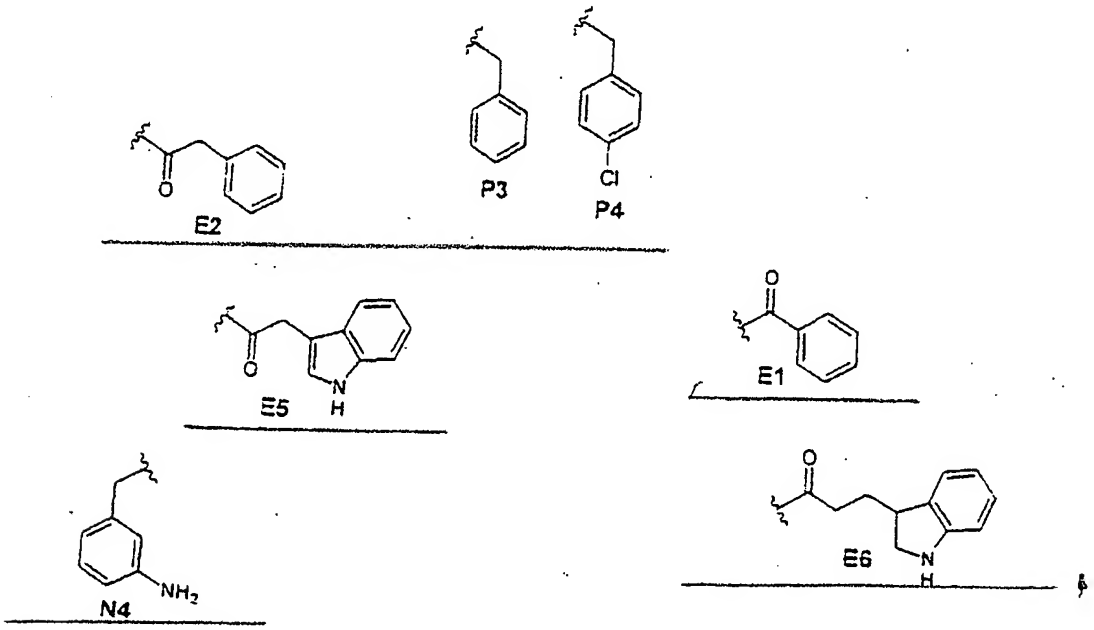
29. (Currently Amended) The method of claim 14, wherein the compound is



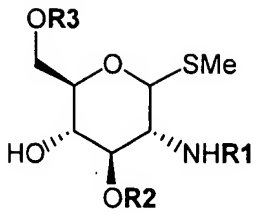
wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
E1	P3	N4
E2	P3	N4
E5	P3	N4
E6	P3	N4
E1	P4	N4

and wherein the groups E, P and N are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



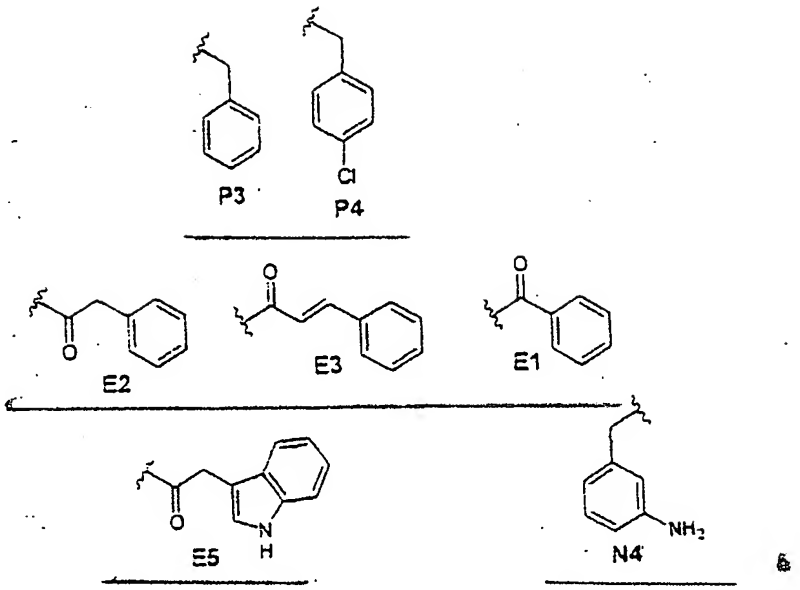
30. (Currently Amended) The method of claim 15, wherein the compound is



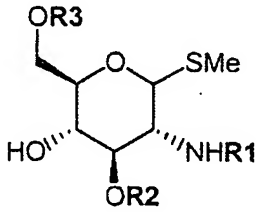
wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
E1	P3	N4
E2	P3	N4
E3	P3	N4
E5	P3	N4
E1	P4	N4
E2	P4	N4
E3	P4	N4
E5	P4	N4

and wherein the groups E, P and N are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



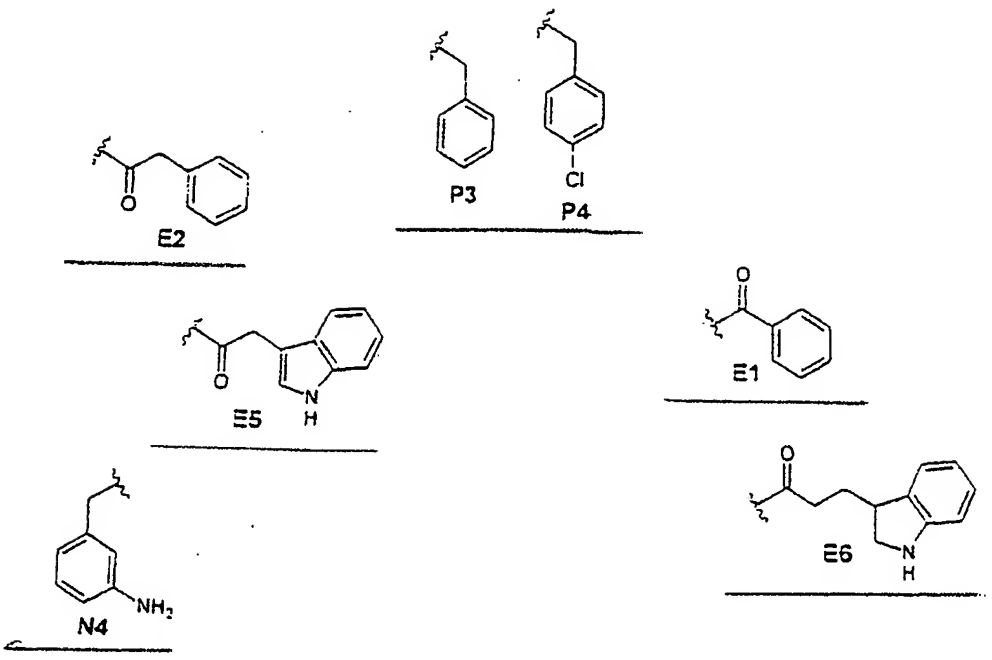
31. (Currently Amended) The method of claim 14, wherein the compound is



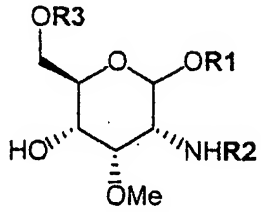
wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
E5	P3	N4
E6	P3	N4
E1	P4	N4
E2	P4	N4
E5	P4	N4

and wherein the groups E, P and N are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



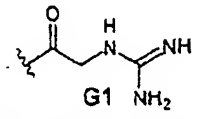
32. (Currently Amended) The method of claim 15, wherein the compound is

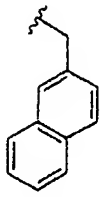


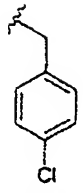
wherein R1, R2 and R3 are selected from the group combinations of:

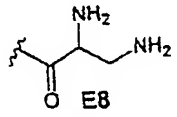
R1	R2	R3
P4	E8	P2
P4	E9	P2
P4	E10	P2
P4	G1	P2
P4	E8	P2
P4	E9	P2
P4	E11	P2
P4	G1	P2

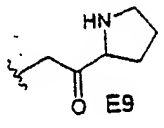
and wherein the groups P, G and E are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~

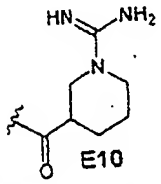


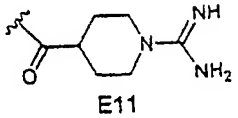




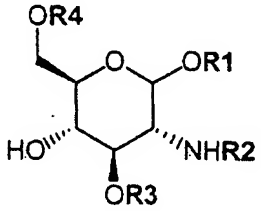








33. (Currently Amended) The method of claim 15, wherein the compound is

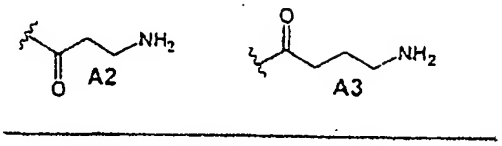


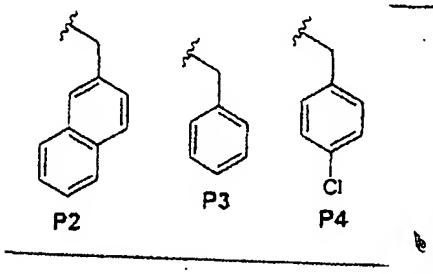
wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
P2	A2	P4	P2
P2	A2	P4	P2
P2	A2	P4	P3
P2	A2	P4	P3
P2	A2	P4	P4
P2	A2	P4	P4
P2	A2	P2	P2

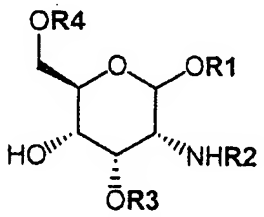
P2	A2	P2	P2
P2	A2	P2	P3
P2	A2	P2	P4
P2	A2	P2	P4
P2	A2	P3	P2
P2	A2	P3	P3
P2	A2	P3	P3
P2	A2	P3	P4
P2	A3	P4	P2
P2	A3	P4	P2
P2	A3	P4	P4
P2	A3	P4	P4
P2	A3	P2	P2
P2	A3	P2	P4
P2	A3	P2	P4
P2	A3	P3	P2
P2	A3	P3	P2
P2	A3	P3	P3
P2	A3	P3	P4
P4	A2	P4	P3
P4	A2	P4	P4
P4	A2	P2	P2
P4	A2	P2	P3
P4	A2	P2	P3
P4	A2	P2	P4
P4	A2	P2	P4
P4	A2	P3	P2
P4	A2	P3	P3
P4	A2	P3	P4
P4	A3	P4	P2
P4	A3	P4	P3
P4	A3	P4	P4
P4	A3	P2	P2
P4	A3	P2	P2
P4	A3	P2	P3
P4	A3	P2	P3
P4	A3	P2	P4
P4	A3	P2	P4
P4	A3	P3	P2
P4	A3	P3	P4

and wherein the groups P, and A are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~





34. (Currently Amended) The method of claim 15, wherein the compound is

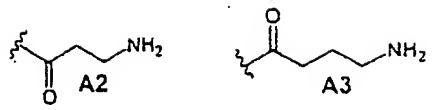


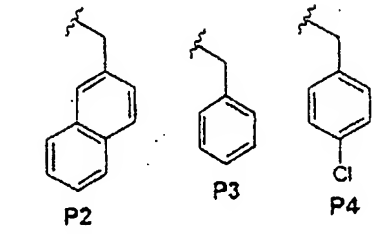
wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
P3	A2	P4	P2
P3	A2	P4	P3
P3	A2	P4	P4
P3	A2	P2	P2
P3	A2	P2	P3
P3	A2	P2	P4
P3	A2	P3	P2

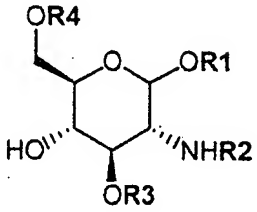
P3	A2	P3	P3
P3	A2	P3	P4
P3	A3	P4	P2
P3	A3	P4	P4
P3	A3	P2	P2
P3	A3	P2	P3
P3	A3	P2	P4
P3	A3	P3	P2
P3	A3	P3	P4
P2	A2	P4	P2
P2	A2	P4	P3
P2	A2	P4	P4
P2	A2	P2	P2
P2	A2	P2	P3
P2	A2	P2	P4
P2	A2	P3	P2
P2	A2	P3	P3
P2	A2	P3	P4
P2	A3	P4	P2
P2	A3	P4	P3
P2	A3	P4	P4
P2	A3	P2	P2
P2	A3	P2	P3
P2	A3	P2	P4
P2	A3	P3	P2
P2	A3	P3	P3
P2	A3	P3	P4

and wherein the groups P, and A are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~





35. (Currently Amended) The method of claim 15, wherein the compound is

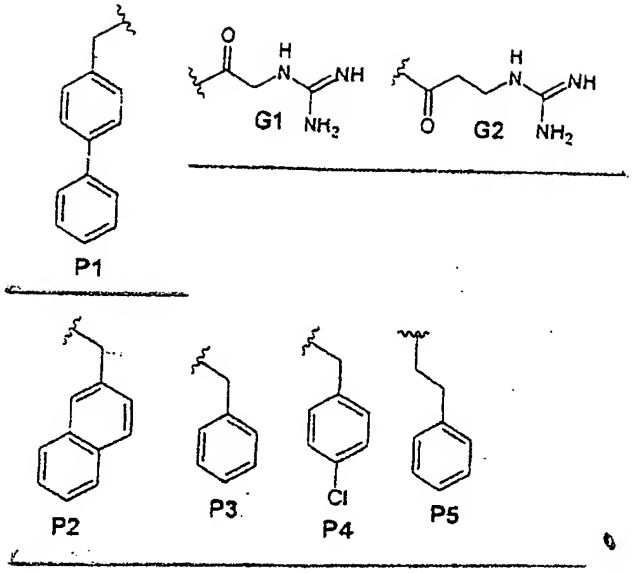


wherein R1, R2, R3 and R4 are selected from the group combinations of:

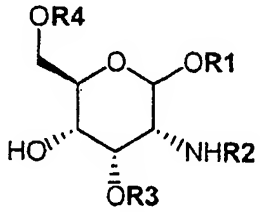
R1	R2	R3	R4
P3	G1	P4	P2
P3	G1	P4	P2
P3	G1	P4	P3
P3	G1	P4	P3
P3	G1	P4	P4
P3	G1	P2	P2
P3	G1	P2	P2
P3	G1	P2	P3
P3	G1	P2	P4
P3	G1	P2	P4

P3	G1	P1	P2
P3	G1	P1	P3
P3	G1	P1	P3
P3	G1	P1	P4
P3	G1	P1	P4
P3	G2	P4	P2
P3	G2	P4	P2
P3	G2	P4	P3
P3	G2	P4	P3
P3	G2	P4	P4
P3	G2	P4	P4
P3	G2	P2	P2
P3	G2	P2	P3
P3	G2	P2	P3
P3	G2	P2	P4
P3	G2	P2	P4
P3	G2	P1	P2
P3	G2	P1	P2
P3	G2	P1	P3
P3	G2	P1	P4
P3	G2	P1	P4
P3	G2	P1	P5

and wherein the groups P, and G are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



36. (Currently Amended) The method of claim 15, wherein the compound is

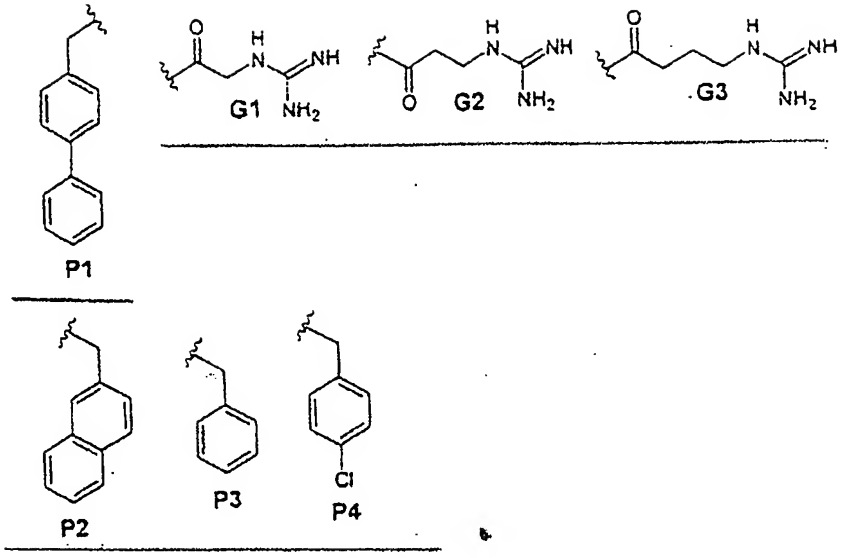


wherein R1, R2, R3 and R4 are selected from the group combinations of:

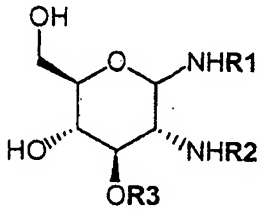
R1	R2	R3	R4
P1	G1	P4	P2
P1	G1	P4	P3
P1	G1	P4	P4
P1	G1	P2	P3
P1	G1	P2	P4
P1	G1	P1	P3
P1	G1	P1	P4
P1	G2	P4	P2
P1	G2	P4	P3
P1	G2	P4	P4
P1	G2	P2	P2

P1	**G2**	**P2**	**P3**
P1	**G2**	**P2**	**P4**
P1	**G2**	**P1**	**P2**
P1	**G2**	**P1**	**P3**
P1	**G2**	**P1**	**P4**
P4	**G1**	**P4**	**P2**
P4	**G1**	**P4**	**P3**
P4	**G1**	**P4**	**P4**
P4	**G1**	**P2**	**P2**
P4	**G1**	**P2**	**P3**
P4	**G1**	**P2**	**P4**
P4	**G1**	**P1**	**P2**
P4	**G1**	**P1**	**P3**
P4	**G1**	**P1**	**P4**
P4	**G2**	**P4**	**P2**
P4	**G2**	**P4**	**P3**
P4	**G2**	**P4**	**P4**
P4	**G2**	**P2**	**P2**
P4	**G2**	**P2**	**P3**
P4	**G2**	**P2**	**P4**
P4	**G2**	**P1**	**P2**
P4	**G2**	**P1**	**P3**
P4	**G2**	**P1**	**P4**
P1	**G3**	**P3**	**P3**

and wherein the groups P, and G are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



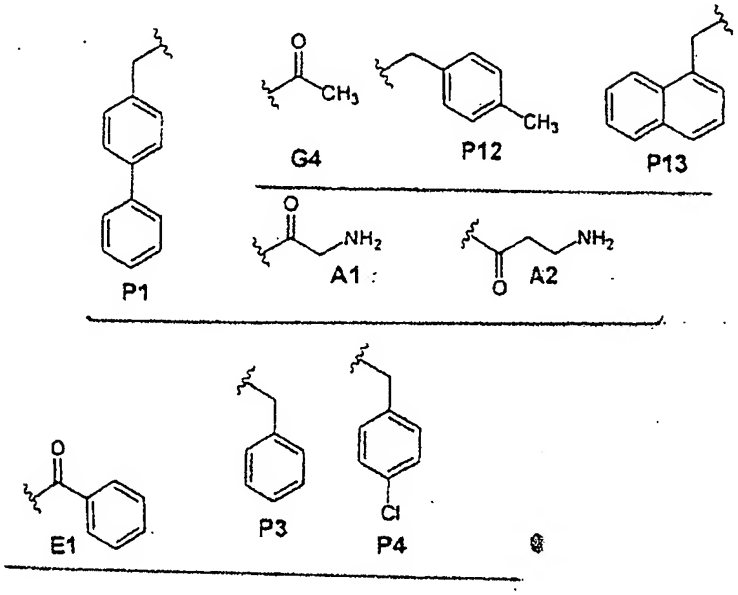
37. (Currently Amended) The method of claim 15, wherein the compound is



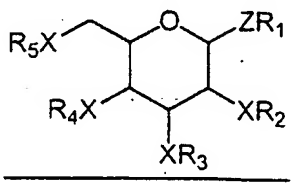
wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
A2	G4	P3
A2	G4	P12
A2	G4	P13
A2	G4	P1
A2	E1	P3
A2	E1	P4
A2	E1	P12
A2	E1	P13
A1	E1	P3
A1	E1	P4

and wherein the groups P, A and E are defined as follows ~~as described in "Substituents per Example Libraries 1-14" in the specification~~



38. (Currently Amended) A pharmaceutical formulation comprising a ~~compound as claimed in claim 1 or a pharmaceutically acceptable salt thereof, together with one or more pharmaceutically acceptable carriers, diluents or excipients~~ carrier diluent or excipient and a compound of general formula 1, or a pharmaceutically acceptable salt thereof



General Formula I

wherein the ring may be of any configuration;

Z is selected from the group consisting of: sulphur, oxygen, and NR^A wherein R^A is selected from the set defined for R_1 to R_5 or C1 to C15 acyl, C4 to C15 arylacyl or C4 to C15 heteroarylacyl, with the proviso that both R_1 and R^A are not hydrogen,

X is selected from the group consisting of: oxygen and NR^A providing that: i) X of XR_2 is NR^A, ii) X of XR_3 is oxygen and R_3 is not hydrogen, iii) X of R_4 is oxygen or NR^A, and X of XR_5 is oxygen, wherein at least one of OR_4 and OR_5 is OH,

R_1 to R_5 are independently selected from the group consisting of: H, C1 to C12 alkyl, C1 to C12 alkenyl, C1 to C12 alkynyl, C1 to C12 heteroalkyl, C4 to C15 aryl, C4 to C15 heteroaryl, C4 to C15 arylalkyl and C4 to C15 heteroarylalkyl substituent ,

wherein, when X is NR^A, both R^A and the corresponding R_2 or R_4 is not hydrogen.

39. (New) The method according to claim 1 wherein XR_2 is NHR_2.

40. (New) The method according to claim 1 wherein XR_4 is OH.

41. (New) The method according to claim 1 wherein XR_3 and XR_5 are OR_3 and OR_5.

42. (New) The method according to claim 41 wherein XR_2 is NHR_2 and XR_4 is OH.